Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Luis D. Fuentes

GENERAL INFORMATION:

Name:	Summit Polymers, Inc.
Address:	160 Clarence Drive Mt. Sterling, KY 40353
Date application received:	10/13/2008
SIC Code/SIC description:	3089, Plastics Products, NEC (except plastics pipe fittings, inflatable plastics life jackets, plastics furniture parts, and plastics sausage casings)
Source ID:	21-173-00024
Source A.I. #:	3196
Activity ID:	APE20080001
Permit:	F-05-045 R2

APPLICATION TYPE/PERMIT ACTIVITY:

[ ] Initial issuance	[ ] General permit
[x] Permit modification	[x] Conditional major
__Administrative	[ ] Title V
x_Minor	[ ] Synthetic minor
__Significant	[ ] Operating
[ ] Permit renewal	[X] Construction/operating

COMPLIANCE SUMMARY:

[ ] Source is out of compliance [ ] Compliance schedule included

[x] Compliance certification signed

APPLICABLE REQUIREMENTS LIST:

[ ] NSR	[ ] NSPS	[x] SIP
[ ] PSD	[ ] NESHAPS	[ ] Other
[ ] Netted out of PSD/NSR	[x] Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

[ ] Acid rain source
[ ] Source subject to 112(r)
[x] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[ ] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[x] Certified by responsible official
[ ] Diagrams or drawings included
[ ] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):

EMISSIONS SUMMARY: PERMIT MINOR REVISION (F-05-045 R2)

Pollutant	Actual (tpy)	Potential (tpy)
PM_{10} = PT	**0.662**	**4.41**
VOC	**9.55**	**< 90**
Single Haps		< 9
Acetonitrile	0.00587	0.0511
Acrylonitrile	0	0.0000664
Cumene	0.00893	0.0778
Ethyl Benzene	0.210	2.23
Glycol Ethers	0.252	2.68
MEK	0.476	5.054
Styrene	0.000123	0.0000931
Toluene	1.201	< 9
Xylene	0.323	3.43
Total HAPs:	**2.48**	**< 22.5**

SOURCE DESCRIPTION:

Summit Polymers is a manufacturer of small plastic parts for the automotive industry. Products include air conditioning/heating vent dampers and louvers, cup holders, etc. The source operates 28 injection-molding machines that produce the various automotive parts. These parts are then trimmed, inspected, and assembled. The mold "tree" and some rejected pieces and parts are then ground and recycled back through the molding system. Some of the parts, depending upon the desired final product, are sent to a series of eight (8) paint booths. The paint booths consist of small, hand-held sprayers with cartridge filters that are replaced once per shift. Painted parts are cured in a small infrared oven attached to the paint booths.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

In order to preclude the applicability of Title V permitting, the source has requested source-wide caps to limit potential emissions to less than 90 tons per year of VOC, less than 9 tons per year for any single HAP, and less than 22.5 tons per year for combined HAPS.

Monthly emissions calculations are required for the source to demonstrate compliance with these emission caps. Permittee shall use less than 15120 gallons per year, on a twelve month rolling basis, of 50% content HAP paint.

MINOR REVISION F-05-045 R2:

On October 13, 2008, the Division for Air Quality (DAQ) received an application for a minor revision from the Summit Polymers, Inc. Mount Sterling facility. The number of injection molding machines would increase from 28 to 30. Emissions of VOC and HAP from these machines were

calculated based upon the highest percentage of each component from the various MSDS for the different plastics processed at the plant. The potential emissions were not affected by the change since the total throughput through the injection molders did not increase. The application was deemed complete on November 21, 2008.

OPERATIONAL FLEXIBILITY: None